

# Crop Weather Report

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Monthly: November-March



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## Agricultural Summary

Montana experienced light precipitation during the month of December, with most cities receiving below normal amounts of rain and snow. Thompson Falls received the highest amount of accumulated precipitation at 3.11 inches. Stanford had the high temperature for the month at 64 degrees, and West Yellowstone reached down to negative 37 degrees. Topsoil moisture adequate and surplus is 67%, below last month's 71% and last year's 72%. Subsoil moisture adequate and surplus, at 41%, is below last month's 53% and last year's 47%.

The weather outlook for January 10th through the 16th is for below normal temperatures and above normal precipitation both east and west of the continental divide. Normal temperatures for this period in the state are highs in the upper teens to the mid 30s and lows ranging from zero to the mid teens.

| Soil Moisture Condition | This Month | Last Month | Last Year |
|-------------------------|------------|------------|-----------|
| Topsoil Moisture        |            |            |           |
| Very Short              | 6          | 3          | 4         |
| Short                   | 27         | 26         | 24        |
| Adequate                | 66         | 66         | 62        |
| Surplus                 | 1          | 5          | 10        |
| Subsoil Moisture        |            |            |           |
| Very Short              | 12         | 11         | 12        |
| Short                   | 47         | 36         | 41        |
| Adequate                | 40         | 51         | 45        |
| Surplus                 | 1          | 2          | 2         |

## Field Crops Report

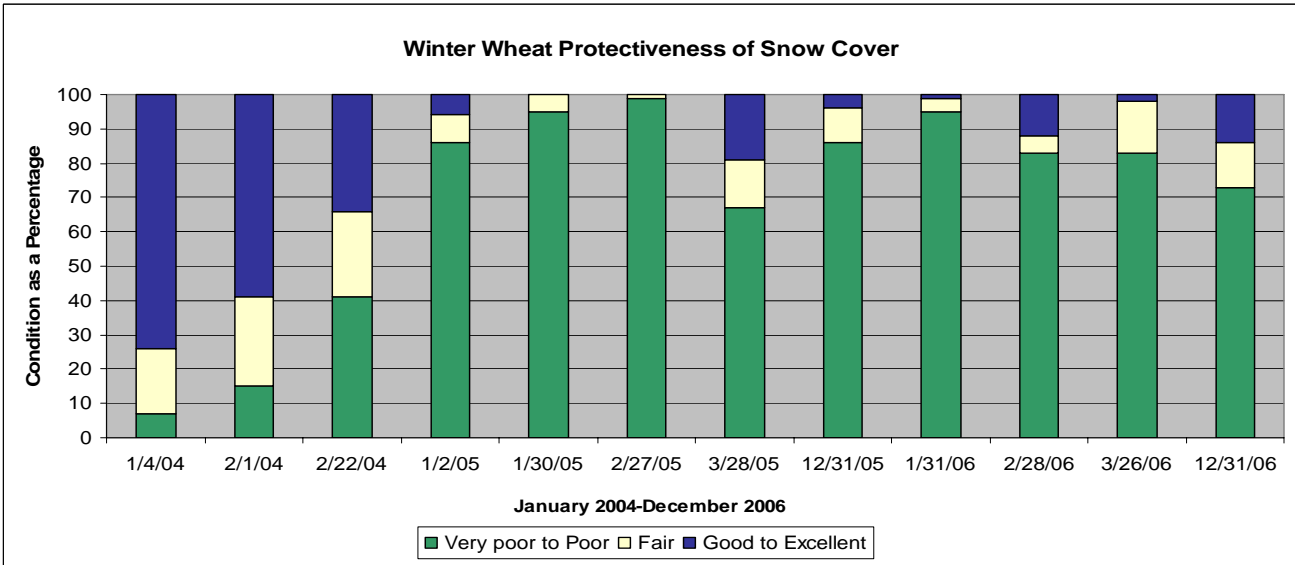
Fifty-eight percent of this year's winter wheat crop is rated good to excellent, compared with last month's rating of 68% and the previous year's 61%. So far, wind, freeze, and drought have caused light damage to winter wheat.

| Crop Table                                  | This Month | Last Month | Last Year |
|---|------------|------------|-----------|
| Winter Wheat - Condition                    |            |            |           |
| Very poor                                   | 1          | 0          | 1         |
| Poor  | 5          | 2          | 2         |
| Fair  | 36         | 30         | 36        |
| Good  | 47         | 51         | 44        |
| Excellent                                   | 11         | 17         | 17        |
| Winter Wheat - Wind Damage                  |            |            |           |
| None  | 48         | n/a        | 68        |
| Light                                       | 45         | n/a        | 22        |
| Moderate                                    | 7          | n/a        | 9         |
| Heavy                                       | 0          | n/a        | 1         |
| Winter Wheat - Freeze and Drought Damage    |            |            |           |
| None  | 54         | n/a        | 74        |
| Light                                       | 41         | n/a        | 23        |
| Moderate                                    | 5          | n/a        | 2         |
| Heavy                                       | 0          | n/a        | 1         |
| Winter Wheat - Protectiveness of Snow Cover |            |            |           |
| Very Poor                                   | 61         | n/a        | 39        |
| Poor  | 12         | n/a        | 47        |
| Fair  | 13         | n/a        | 10        |
| Good  | 8          | n/a        | 3         |
| Excellent                                   | 6          | n/a        | 1         |

## Livestock Report

Range and pasture feed conditions are similar to last month. Sixteen percent is rated good to excellent, down from last year's 36%. Ranchers are continuing to provide supplemental feed to livestock. Compared to last year, more range and pasture land has been open for livestock grazing.

| Pasture Condition and Feed       | This Month | Last Month | Last Year |
|----------------------------------|------------|------------|-----------|
| Range and Pasture Feed Condition |            |            |           |
| Very poor                        | 19         | 14         | 8         |
| Poor                             | 22         | 25         | 16        |
| Fair                             | 43         | 44         | 40        |
| Good                             | 12         | 16         | 30        |
| Excellent                        | 4          | 1          | 6         |
| Receiving Supplemental Feed      |            |            |           |
| Cattle & Calves                  | 79         | 70         | 92        |
| Sheep & Lambs                    | 83         | 69         | 94        |
| Livestock Grazing                |            |            |           |
| Open                             | 82         | n/a        | 69        |
| Difficult                        | 13         | n/a        | 14        |
| Closed                           | 5          | n/a        | 17        |



Weather Information for the Month ending 12/31/2006

| Station              | Temperature |     |     |     | Precipitation December |       |       | Precipitation October 1 to date |       |       |
|----------------------|-------------|-----|-----|-----|------------------------|-------|-------|---------------------------------|-------|-------|
|                      | Hi          | Low | Avg | DFN | Total                  | DFN   | % Nrm | Total                           | DFN   | % Nrm |
| <b>NORTHWEST</b>     |             |     |     |     |                        |       |       |                                 |       |       |
| Alberton             | 46          | 4   | 26  | +3  | 1.30                   | +0.14 | 112   | 6.91                            | +4.20 | 255   |
| Anaconda             | 53          | -3  | 26  | +3  | 0.82                   | +0.16 | 124   | 3.79                            | +1.47 | 163   |
| Clinton              | 46          | -4  | 21  | -3  | 1.09                   | -0.07 | 94    | 5.59                            | +2.88 | 206   |
| Corvallis            | 52          | 4   | 27  | +2  | 0.52                   | -0.57 | 48    | 1.67                            | -1.25 | 57    |
| Creston              | 43          | 6   | 25  | +0  | 1.02                   | -0.68 | 60    | 2.33                            | -2.06 | 53    |
| Deer Lodge           | 48          | -4  | 23  | +4  | 0.32                   | -0.12 | 73    | 2.35                            | +0.83 | 155   |
| Drummond             | 42          | -3  | 22  | +0  | 0.43                   | -0.48 | 47    | 2.18                            | -0.26 | 89    |
| Hamilton             | 50          | 2   | 28  | +3  | 0.81                   | -0.28 | 74    | 3.10                            | +0.18 | 106   |
| Kalispell            | 42          | 2   | 24  | +2  | 1.40                   | -0.33 | 81    | 3.56                            | -0.34 | 91    |
| Missoula             | 52          | 6   | 27  | +5  | 0.61                   | -0.55 | 53    | 3.93                            | +1.22 | 145   |
| Olney                | 37          | -4  | 19  | -3  | 1.35                   | -1.11 | 55    | 6.84                            | +0.77 | 113   |
| Polson               | 47          | 11  | 28  | +1  | 0.73                   | -0.55 | 57    | 3.46                            | +0.02 | 101   |
| St Ignatius          | 53          | 10  | 29  | +3  | 0.55                   | -0.57 | 49    | 3.01                            | -0.16 | 95    |
| Seeley Lake          | 41          | -12 | 24  | +3  | 1.38                   | -1.34 | 51    | 7.17                            | +1.12 | 119   |
| Sula                 | 51          | -2  | 26  | +5  | 0.54                   | -0.54 | 50    | 3.25                            | -0.10 | 97    |
| Superior             | 47          | 5   | 27  | +0  | 1.12                   | -0.57 | 66    | 7.16                            | +2.72 | 161   |
| Swan Lake            | 45          | 1   | 25  | +2  | 2.68                   | -0.61 | 81    | 9.29                            | +0.69 | 108   |
| Thompson Falls       | 44          | 5   | 26  | -3  | 3.11                   | +0.31 | 111   | 9.63                            | +2.65 | 138   |
| West Glacier         | 41          | -3  | 25  | +2  | 2.19                   | -1.14 | 66    | 10.29                           | +1.80 | 121   |
| <b>NORTH CENTRAL</b> |             |     |     |     |                        |       |       |                                 |       |       |
| Chester              | 50          | -7  | 25  | +9  | 0.47                   | +0.01 | 102   | 1.74                            | +0.55 | 146   |
| Chinook              | 51          | -9  | 23  | +7  | 0.13                   | -0.40 | 25    | 1.80                            | +0.36 | 125   |
| Choteau              | 61          | -1  | 31  | +7  | 0.34                   | -0.02 | 94    | 1.12                            | +0.02 | 102   |
| Cut Bank             | 58          | 1   | 31  | +12 | 0.11                   | -0.22 | 33    | 0.27                            | -0.83 | 25    |
| Ft Assiniboine       | 50          | -10 | 26  | +7  | 0.37                   | -0.18 | 67    | 1.43                            | -0.10 | 93    |
| Fort Benton          | 63          | -2  | 29  | +7  | 0.53                   | -0.14 | 79    | 2.29                            | +0.24 | 112   |
| Goldbutte            | 56          | -8  | 29  | +8  | 0.28                   | -0.15 | 65    | 2.23                            | +0.79 | 155   |
| Harlem               | 48          | -7  | 23  | +7  | 0.26                   | -0.21 | 55    | 1.90                            | +0.50 | 136   |
| Havre                | 49          | -10 | 26  | +10 | 0.31                   | -0.22 | 58    | 1.41                            | -0.03 | 98    |
| Malta                | 49          | -14 | 24  | +11 | 0.12                   | -0.29 | 29    | 2.02                            | +0.66 | 149   |
| Rudyard              | 54          | -8  | 25  | +6  | 0.45                   | -0.15 | 75    | 2.12                            | +0.34 | 119   |
| Shelby               | 51          | -5  | 27  | +5  | 1.37                   | +1.02 | 391   | 2.14                            | +0.94 | 178   |
| Turner               | 45          | -17 | 23  | +10 | 0.11                   | -0.30 | 27    | 1.03                            | -0.33 | 76    |
| Valier               | 56          | 2   | 31  | +9  | 0.27                   | -0.08 | 77    | 1.09                            | -0.11 | 91    |
| <b>NORTHEAST</b>     |             |     |     |     |                        |       |       |                                 |       |       |
| Bredette             | 43          | -11 | 22  | +9  | 0.27                   | -0.08 | 77    | 1.72                            | +0.45 | 135   |
| Culbertson           | 46          | -21 | 22  | +9  | 0.33                   | -0.09 | 79    | 1.42                            | -0.18 | 89    |
| Glasgow              | 45          | -16 | 24  | +9  | 0.13                   | -0.25 | 34    | 1.47                            | +0.20 | 116   |
| Glendive             | 50          | -14 | 27  | +10 | 0.23                   | -0.23 | 50    | 1.41                            | -0.22 | 87    |
| Jordan               | 57          | -19 | 28  | +10 | 0.18                   | -0.32 | 36    | 1.47                            | -0.13 | 92    |
| Nashua               | 46          | -17 | 23  | +8  | 0.15                   | -0.23 | 39    | 1.81                            | +0.54 | 143   |
| Opheim               | 43          | -20 | 19  | +7  | 0.22                   | -0.06 | 79    | 1.13                            | +0.10 | 110   |
| Plentywood           | 42          | -22 | 20  | +7  | 0.13                   | -0.22 | 37    | 0.98                            | -0.31 | 76    |
| St Marie             | 43          | -13 | 23  | +8  | 0.05                   | -0.33 | 13    | 1.04                            | -0.23 | 82    |
| Scobey               | 45          | -23 | 21  | +8  | 0.15                   | -0.20 | 43    | 1.15                            | -0.12 | 91    |
| Sidney               | 47          | -20 | 24  | +8  | 0.25                   | -0.25 | 50    | 1.27                            | -0.56 | 69    |
| Wolf Point           | 47          | -18 | 22  | +6  | 0.13                   | -0.40 | 25    | 0.77                            | -1.00 | 44    |
| <b>CENTRAL</b>       |             |     |     |     |                        |       |       |                                 |       |       |
| Cascade              | 54          | -6  | 31  | +7  | 0.43                   | -0.15 | 74    | 2.53                            | +0.53 | 127   |
| Grass Range          | 61          | 1   | 32  | +7  | 0.30                   | -0.36 | 45    | 3.56                            | +1.39 | 164   |
| Great Falls          | 57          | 4   | 34  | +11 | 0.74                   | -0.11 | 87    | 2.59                            | +0.30 | 113   |
| Harlowton            | 61          | -3  | 29  | +5  | 0.17                   | -0.29 | 37    | 3.33                            | +1.52 | 184   |
| Helena               | 54          | 4   | 29  | +8  | 0.38                   | -0.21 | 64    | 2.25                            | +0.58 | 135   |
| Lewistown            | 60          | -3  | 31  | +9  | 0.33                   | -0.60 | 35    | 3.33                            | +0.55 | 120   |
| Martinsdale          | 57          | 4   | 30  | +6  | 0.07                   | -0.41 | 15    | 2.11                            | +0.39 | 123   |
| Neihart              | 49          | 2   | 28  | +5  | 0.98                   | -0.13 | 88    | 5.55                            | +2.14 | 163   |
| Rogers Pass          | 54          | -8  | 30  | +6  | 0.66                   | +0.11 | 120   | 3.34                            | +1.65 | 198   |
| Roundup              | 57          | 0   | 32  | +8  | 0.12                   | -0.30 | 29    | 3.20                            | +1.55 | 194   |
| Ryegate              | 62          | -2  | 30  | +9  | 0.04                   | -0.45 | 8     | 2.84                            | +1.16 | 169   |
| Stanford             | 64          | -1  | 32  | +8  | 0.22                   | -0.43 | 34    | 3.01                            | +0.85 | 139   |
| Townsend             | 52          | -3  | 28  | +3  | 0.22                   | -0.18 | 55    | 1.70                            | +0.21 | 114   |
| Valentine            | 54          | -5  | 27  | +7  | 0.28                   | -0.24 | 54    | 2.68                            | +1.00 | 160   |
| Wht Sulphur Spr      | 52          | -3  | 27  | +7  | 0.13                   | -0.75 | 15    | 1.44                            | -1.46 | 50    |
| <b>SOUTHWEST</b>     |             |     |     |     |                        |       |       |                                 |       |       |
| Boulder              | 48          | -7  | 24  | +3  | 0.17                   | -0.35 | 33    | 2.36                            | +0.79 | 150   |
| Bozeman              | 53          | -2  | 27  | +4  | 1.64                   | +0.90 | 222   | 6.78                            | +3.25 | 192   |
| Butte                | 45          | -13 | 21  | +5  | 0.37                   | -0.07 | 84    | 2.79                            | +1.13 | 168   |
| Dillon               | 51          | -1  | 27  | +5  | 0.09                   | -0.16 | 36    | 1.96                            | +0.64 | 148   |
| Ennis                | 54          | -3  | 27  | +3  | 0.19                   | -0.21 | 48    | 3.60                            | +1.61 | 181   |
| Lakeview             | 44          | -4  | 22  | +10 | 1.13                   | -0.21 | 84    | 5.03                            | +1.01 | 125   |
| W Yellowstone        | 36          | -37 | 11  | -2  | 1.18                   | -0.95 | 55    | 4.53                            | -1.07 | 81    |
| Wisdom               | 45          | -24 | 17  | +2  | 0.55                   | -0.12 | 82    | 3.97                            | +1.88 | 190   |
| <b>SOUTH CENTRAL</b> |             |     |     |     |                        |       |       |                                 |       |       |
| Billings             | 57          | 8   | 33  | +8  | 0.52                   | -0.27 | 66    | 3.60                            | +0.83 | 130   |
| Cooke City           | 46          | -4  | 24  | +13 | 0.90                   | -1.29 | 41    | 3.90                            | -1.80 | 68    |
| Gardiner             | 48          | -2  | 26  | +3  | 0.38                   | -0.22 | 63    | 2.68                            | +0.63 | 131   |
| Hardin               | 59          | -6  | 31  | +12 | 0.45                   | -0.30 | 60    | 2.50                            | -0.46 | 84    |
| Huntley              | 62          | -7  | 29  | +8  | 0.51                   | -0.12 | 81    | 3.14                            | +0.87 | 138   |
| Hysham               | 59          | -5  | 30  | +8  | 0.35                   | -0.20 | 64    | 2.39                            | +0.33 | 116   |
| Joliet               | 55          | 1   | 29  | +5  | 0.51                   | -0.16 | 76    | 4.25                            | +1.52 | 156   |
| Livingston           | 57          | 2   | 31  | +4  | 0.37                   | -0.08 | 82    | 4.17                            | +1.67 | 167   |
| Nye                  | 54          | 0   | 29  | +2  | 0.36                   | -0.09 | 80    | 3.83                            | +1.33 | 153   |
| Rapelje              | 57          | -11 | 32  | +8  | 0.07                   | -0.52 | 12    | 3.47                            | +0.95 | 138   |
| <b>SOUTHEAST</b>     |             |     |     |     |                        |       |       |                                 |       |       |
| Albion               | 60          | -6  | 28  | +10 | 0.06                   | -0.38 | 14    | 1.26                            | -0.58 | 68    |
| Baker                | 56          | -19 | 27  | +9  | 0.05                   | -0.44 | 10    | 2.02                            | +0.13 | 107   |
| Broadus              | 59          | -5  | 30  | +10 | 0.00                   | -0.59 | 0     | 1.74                            | -0.45 | 79    |
| Ekalaka              | 54          | -18 | 27  | +6  | 0.12                   | -0.47 | 20    | 1.81                            | -0.54 | 77    |
| Miles City           | 55          | -11 | 29  | +11 | 0.09                   | -0.55 | 14    | 1.06                            | -1.02 | 51    |
| Plevna               | 55          | -23 | 26  | +8  | 0.10                   | -0.39 | 20    | 1.97                            | +0.08 | 104   |